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### 1 [Strategic directions in electronic commerce and digital libraries: towards a digital agora](#)



Nabil Adam, Yelena Yesha

December 1996 ACM Computing Surveys (CSUR), Volume 28 Issue 4

Publisher: ACM

Full text available: Pdf (244.34 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 194, Citation Count: 14

### 2 [Money in electronic commerce: digital cash, electronic fund transfer, and Ecash](#)



Patiwat Panurach

June 1996 Communications of the ACM, Volume 39 Issue 6

Publisher: ACM

Full text available: Pdf (551.73 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#),  
[review](#)

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 342, Citation Count: 10

### 3 [Security in embedded systems: Design challenges](#)



Srivaths Ravi, Anand Raghunathan, Paul Kocher, Sunil Hattangady

August 2004 ACM Transactions on Embedded Computing Systems (TECS), Volume 3 Issue 3

Publisher: ACM

Full text available: Pdf (3.67 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 130, Downloads (12 Months): 1046, Citation Count: 13

Many modern electronic systems---including personal computers, PDAs, cell phones, networked smart cards, and networked sensors to name a few---need to access, store, manipulate, or communicate sensitive information, making security a serious concern ...

Keywords: Embedded systems, architecture, authentication, battery life, cryptographic algorithms, decryption, encryption, hardware design, processing requirements, security, security attacks, security protocols, tamper resistance

### 4 [Communications of the ACM: Volume 51 Issue 4](#)


 April 2008 issue Volume 51 Issue 4

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (4.24 MB) Additional Information: [full citation](#)


Bibliometrics: Downloads (6 Weeks): 385, Downloads (12 Months): 1953, Citation Count: 0

## 5 [Raksha: a flexible information flow architecture for software security](#)

 Michael Dalton, Hari Kannan, Christos Kozyrakis

June 2007 ACM SIGARCH Computer Architecture News, Volume 35 Issue 2

Publisher: ACM


Full text available:  Pdf (300.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 326, Citation Count: 4

High-level semantic vulnerabilities such as SQL injection and crosssite scripting have surpassed overflows as the most prevalent security exploits. The breadth and diversity of software vulnera demand new security solutions that combine ...


Keyw ords: dynamic, semantic vulnerabilities, software security

## 6 [Raksha: a flexible information flow architecture for software security](#)

 Michael Dalton, Hari Kannan, Christos Kozyrakis

June 2007 I SCA '07: Proceedings of the 34th annual international symposium on Computer archi

Publisher: ACM


Full text available:  Pdf (300.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 326, Citation Count: 4

High-level semantic vulnerabilities such as SQL injection and crosssite scripting have surpassed overflows as the most prevalent security exploits. The breadth and diversity of software vulnera demand new security solutions that combine ...


Keyw ords: dynamic, semantic vulnerabilities, software security

## 7 [Application of e-commerce security management strategy in banking](#)

 Guoling Lao, Liping Wang

August 2005 I CEC '05: Proceedings of the 7th international conference on Electronic commerce

Publisher: ACM


Full text available:  Pdf (331.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 397, Citation Count: 0

Today, e-commerce has achieved wide applications with its carrier network and information tech rapid developments. But various security problems set up a lot of barriers for its further progres security becomes a bottleneck. Unless these ...

Keyw ords: bank, e-commerce, risk, security management strategy


## 8 [GPGPU: general purpose computation on graphics hardware](#)

 David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aa

August 2004 SI GGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available:

 Pdf (63.03 MB)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 171, Downloads (12 Months): 1419, Citation Count: 3

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely and flexible processor. The latest graphics architectures provide tremendous memory bandwidth computational horsepower, with fully programmable vertex ...

## 9 [Communications of the ACM: Volume 51 Issue 1](#)

 January 2008 issue Volume 51 Issue 1

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (5.97 MB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 533, Downloads (12 Months): 3921, Citation Count: 0

## 10 [The architecture and performance of security protocols in the ensemble group communication system: Using diamonds to guard the castle](#)

 August 2001 ACM Transactions on Information and System Security (TISSEC), Volume 4 Issue Publisher: ACM


Full text available:  Pdf (418.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 107, Citation Count: 7



Ensemble is a Group Communication System built at Cornell and the Hebrew universities. It allows processes to create *process groups* within which scalable reliable fifo-ordered multicast and point-to-point communication are supported. The system ...

Keywords: Group communication, security

## 11 [Communications of the ACM: Volume 51 Issue 2](#)


 February 2008 issue Volume 51 Issue 2

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (3.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 316, Downloads (12 Months): 2233, Citation Count: 0

## 12 [Computing curricula 2001](#)

 CORPORATE The Joint Task Force on Computing Curricula  
September 2001 Journal on Educational Resources in Computing (JERIC), Volume 1 Issue 3es  
Publisher: ACM

Full text available:  Html (2.78 KB),  Pdf (613.63 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 131, Downloads (12 Months): 1547, Citation Count: 23

## 13 [Multi-level secure video streaming over SRTP](#)

 Lei Chen, Chung-wei Lee  
March 2005 ACM-SE 43: Proceedings of the 43rd annual Southeast regional conference - V

Volume 2

Publisher: ACM

Full text available:  Pdf (474.22 KB)Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 100, Citation Count: 0

In this paper, we propose a set of solutions to four different levels on data selection for encrypting JPEG video frames over SRTP. These solutions are based on our intensive analysis of the JPEG compression procedure. We select the most ...

Keywords: AES, DCT, SRTP, jpeg, motion jpeg, quantization

#### 14 [Cryptography as an operating system service: A case study](#)



Angelos D. Keromytis, Jason L. Wright, Theo De Raadt, Matthew Burnside

February 2006 ACM Transactions on Computer Systems (TOCS), Volume 24 Issue 1

Publisher: ACM

Full text available:  Pdf (669.12 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 749, Citation Count: 0

Cryptographic transformations are a fundamental building block in many security applications and protocols. To improve performance, several vendors market hardware accelerator cards. However, now no operating system provided a mechanism that allowed ...

Keywords: Encryption, authentication, cryptographic protocols, digital signatures, hash functions

#### 15 [Secure and practical defense against code-injection attacks using software dynamic translation](#)



Wei Hu, Jason Hiser, Dan Williams, Adrian Filipi, Jack W. Davidson, David Evans, John C. Knight, Ar Nguyen-Tuong, Jonathan Rowanhill

June 2006 VEE '06: Proceedings of the 2nd international conference on Virtual execution environments

Publisher: ACM

Full text available:  Pdf (270.13 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 138, Citation Count: 2

One of the most common forms of security attacks involves exploiting a vulnerability to inject malicious code into an executing application and then cause the injected code to be executed. A theoretical approach to defending against any type ...

Keywords: software dynamic translation, virtual execution

#### 16 [Proceedings of the 2005 symposium on Usable privacy and security](#)



Lorrie Faith Cranor

July 2005 proceeding


Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the Symposium On Usable Privacy and Security! This inaugural event brings together an interdisciplinary group of researchers and practitioners in human computer interaction, security, privacy. While papers on usable privacy and security ...

#### 17 [Verifying Completeness of Relational Query Answers from Online Servers](#)

-  Hweehwa Pang, Kian-Lee Tan  
March 2008 ACM Transactions on Information and System Security (TISSEC), Volume 11 Issue  
Publisher: ACM

Full text available:  Pdf (991.84 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 273, Citation Count: 0

The number of successful attacks on the Internet shows that it is very difficult to guarantee the online servers over extended periods of time. A breached server that is not detected in time may return incorrect query answers to users. In ...

Keywords: query answer verification, secure database systems

# 18 [An application-driven perspective on wireless sensor network security](#)

-  Eric Sabbah, Adnan Majeed, Kyoung-Don Kang, Ke Liu, Nael Abu-Ghazaleh  
October 2006 Q2SWinet '06: Proceedings of the 2nd ACM international workshop on Quality of service security for wireless and mobile networks  
Publisher: ACM

Full text available:  Pdf (206.79 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 65, Downloads (12 Months): 526, Citation Count: 0

Wireless sensor networks (WSNs) have recently attracted a lot of interest due to the range of applications they enable. Unfortunately, WSNs are exposed to numerous security threats that can adversely affect the success of important applications. Securing ...

Keywords: application-driven perspective, security, sensor networks

# 19 [On the performance of group key agreement protocols](#)

-  Yair Amir, Yongdae Kim, Cristina Nita-Rotaru, Gene Tsudik  
August 2004 ACM Transactions on Information and System Security (TISSEC), Volume 7 Issue  
Publisher: ACM

Full text available:  Pdf (469.07 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 155, Citation Count: 6

Group key agreement is a fundamental building block for secure peer group communication systems. Several group key management techniques were proposed in the last decade, all assuming the existence of an underlying group communication infrastructure ...

Keywords: Group Communication, Group Key Management, Peer Groups, Secure Communication

# 20 [Access control in publish/subscribe systems](#)

-  Jean Bacon, David M. Eysers, Jatinder Singh, Peter R. Pietzuch  
July 2008 DEBS '08: Proceedings of the second international conference on Distributed event-based systems  
Publisher: ACM

Full text available:  Pdf (1.30 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 47, Downloads (12 Months): 125, Citation Count: 0





Two convincing paradigms have emerged for achieving scalability in widely distributed systems: *publish/subscribe communication* and *role-based*, policy-driven control of access to the system applications. A strength of publish/subscribe ...

Keywords: encryption, publish/subscribe, role based access control

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